Application No.: 09/227,687

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).

☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).

☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).

☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."

☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).

☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).

☐ 7. Other: _____

Applicant Must Provide:

☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".

☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.

☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216
For CRF Submission Help, call (703) 308-4212
PatentIn Software Program Support
Technical Assistance.....703-287-0200
To Purchase PatentIn Software.....703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY

Raw Sequence Listing Error Summary

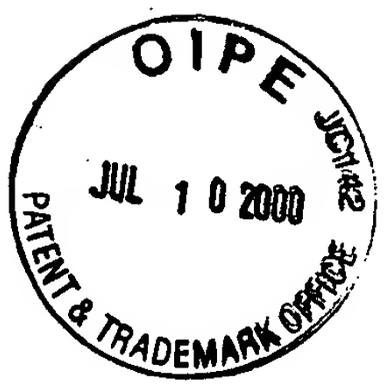
Applicants' Copy

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/227,687

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ____	Wrapped Nucleics	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".
2 ____	Wrapped Aminos	The amino acid number/text at the end of each line "wrapped " down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".
3 ____	Incorrect Line Length	The rules require that a line not exceed 72 characters in length. This includes spaces.
4 ____	Misaligned Amino Acid Numbering	The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
5 ____	Non-ASCII	This file was not saved in ASCII (DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
6 ____	Variable Length	Sequence(s) ____ contain n's or Xaa's which represented more than one residue. As per the rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
7 ____	PatentIn ver. 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence.
8 ____	Skipped Sequences (OLD RULES)	Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence: **(2) INFORMATION FOR SEQ ID NO:X:** **(i) SEQUENCE CHARACTERISTICS:**(Do not insert any headings under "SEQUENCE CHARACTERISTICS") **(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:** **This sequence is intentionally skipped** Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
9 ____	Skipped Sequences (NEW RULES)	Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence. **<210> sequence id number** **<400> sequence id number** **000**
10 ____	Use of **n's** or **Xaa's** (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Use of <220> to <223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
11 ____	Use of <213>Organism (NEW RULES)	Sequence(s) _____ are missing this mandatory field or its response.
12 ✓	Use of <220>Feature (NEW RULES)	Sequence(s) ____ are missing the <220>Feature and associated headings. Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown" **Please explain source of genetic material in <220> to <223> section.** (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
13 ____	PatentIn ver. 2.0 "bug"	**Please do not use "Copy to Disk" function of PatentIn version 2.0.** This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.



1636

RAW SEQUENCE LISTING DATE: 06/15/2000
PATENT APPLICATION: US/09/227,687 TIME: 13:46:23

Input Set : A:\cpi98-03p9ma.txt
Output Set: N:\CRF3\06152000\I227687.raw

pp. 1,2,3,4

Does Not Comply
Corrected Diskette Needed

```
 4 <110> APPLICANT: Francis P. Tally
 5       Jianshi Tao
 6       Philip A. Wendler
 7       Gene Connelly
 8       Paul L. Gallant
10 <120> TITLE OF INVENTION: METHOD FOR IDENTIFYING VALIDATED TARGET
11       AND ASSAY COMBINATIONS FOR DRUG DEVELOPMENT
14 <130> FILE REFERENCE: CPI98-03p9MA
16 <140> CURRENT APPLICATION NUMBER: US 09/227,687
17 <141> CURRENT FILING DATE: 1999-01-08
19 <150> PRIOR APPLICATION NUMBER: US 60/070,965
20 <151> PRIOR FILING DATE: 1998-01-09
22 <150> PRIOR APPLICATION NUMBER: US 60/076,638
23 <151> PRIOR FILING DATE: 1998-03-03
25 <150> PRIOR APPLICATION NUMBER: US 60/081,753
26 <151> PRIOR FILING DATE: 1998-04-14
28 <150> PRIOR APPLICATION NUMBER: US 60/085,844
29 <151> PRIOR FILING DATE: 1998-05-18
31 <150> PRIOR APPLICATION NUMBER: US 60/089,828
32 <151> PRIOR FILING DATE: 1998-06-19
34 <150> PRIOR APPLICATION NUMBER: US 60/094,698
35 <151> PRIOR FILING DATE: 1998-07-30
37 <150> PRIOR APPLICATION NUMBER: US 60/100,211
38 <151> PRIOR FILING DATE: 1998-09-14
40 <150> PRIOR APPLICATION NUMBER: US 60/101,718
41 <151> PRIOR FILING DATE: 1998-09-24
43 <150> PRIOR APPLICATION NUMBER: US 60/107,751
44 <151> PRIOR FILING DATE: 1998-11-10
46 <160> NUMBER OF SEQ ID NOS: 17
48 <170> SOFTWARE: FastSEQ for Windows Version 3.0
50 <210> SEQ ID NO: 1
51 <211> LENGTH: 15
52 <212> TYPE: PRT
53 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Peptide
58 <400> SEQUENCE: 1
59  Ser Arg Asp Trp Gly Phe Trp Asp Trp Gly Val Asp Arg Ser Arg
60   1               5                  10                  15
62 <210> SEQ ID NO: 2
63 <211> LENGTH: 16
64 <212> TYPE: PRT
65 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: Peptide
70 <400> SEQUENCE: 2
71  Ser Arg Asp Trp Gly Phe Trp Arg Leu Pro Glu Ser Met Ala Ser Arg
```

} <2237 too general, "peptide" not accepted as such. genetic source must be more specific see #12 on Error summery sheet

RAW SEQUENCE LISTING DATE: 06/15/2000
PATENT APPLICATION: US/09/227,687 TIME: 13:46:23

Input Set : A:\cpi98-03p9ma.txt
Output Set: N:\CRF3\06152000\I227687.raw

1 5 10 15

<210> SEQ ID NO: 3
<211> LENGTH: 15
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Peptide
<400> SEQUENCE: 3
Ser Arg Glu Trp His Phe Trp Arg Asp Tyr Asn Pro Thr Ser Arg
1 5 10 15

<210> SEQ ID NO: 4
<211> LENGTH: 15
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Peptide
<400> SEQUENCE: 4
Ser Ser Glu Arg Gly Ser Gly Asp Arg Gly Glu Lys Gly Ser Arg
1 5 10 15

<210> SEQ ID NO: 5
<211> LENGTH: 43
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: PCR Primer
<400> SEQUENCE: 5
ccaacaacat atgtcccgtg aatggcactt ctggcgtgac tac 43

<210> SEQ ID NO: 6
<211> LENGTH: 57
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: PCR Primer
<400> SEQUENCE: 6
ttctggcgtg actacaaccc gacctcccgt gggggtggag gcatgtcccc tatacta 57

<210> SEQ ID NO: 7
<211> LENGTH: 32
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: PCR Primer
<400> SEQUENCE: 7
agttgaattc ttaatccgat tttggaggat gg 32

<210> SEQ ID NO: 8
<211> LENGTH: 28
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: PCR Primer

RAW SEQUENCE LISTING DATE: 06/15/2000
PATENT APPLICATION: US/09/227,687 TIME: 13:46:23

Input Set : A:\cpi98-03p9ma.txt
Output Set: N:\CRF3\06152000\I227687.raw

<400> SEQUENCE: 8
caaggtaccc atgtcccgtg aatggcac 28

<210> SEQ ID NO: 9
<211> LENGTH: 31
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: PCR Primer

<400> SEQUENCE: 9
cgcggatcct taatccgatt ttggaggatg g 31

<210> SEQ ID NO: 10
<211> LENGTH: 31
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: PCR Primer

<400> SEQUENCE: 10
aatccgctcg aggattattg ctattggtgc c 31

<210> SEQ ID NO: 11
<211> LENGTH: 33
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: PCR Primer

<400> SEQUENCE: 11
aatcgtaagc ttttatttta agttatcata ttt 33

<210> SEQ ID NO: 12
<211> LENGTH: 12
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Peptide

} #12

<400> SEQUENCE: 12
Asp Pro Asn Thr Trp Gln Leu Arg Trp Pro Met His
1 5 10

<210> SEQ ID NO: 13
<211> LENGTH: 12
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Peptide

} #12

<400> SEQUENCE: 13
Met Trp Asp Leu Pro Tyr Ile Trp Ser Arg Pro Val
1 5 10

<210> SEQ ID NO: 14
<211> LENGTH: 12
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:

} #12

RAW SEQUENCE LISTING DATE: 06/15/2000
PATENT APPLICATION: US/09/227,687 TIME: 13:46:23

Input Set : A:\cpi98-03p9ma.txt
Output Set: N:\CRF3\06152000\I227687.raw

<223> OTHER INFORMATION: Peptide

<400> SEQUENCE: 14
Ala Asp Thr Leu Asn Trp Tyr Tyr Tyr Ala Ser Trp
1 5 10

<210> SEQ ID NO: 15
<211> LENGTH: 12
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence } #12
<220> FEATURE:
<223> OTHER INFORMATION: Peptide

<400> SEQUENCE: 15
Ala Asn Asn Leu Ser Thr Met Lys Lys Leu Lys Gln
1 5 10

<210> SEQ ID NO: 16
<211> LENGTH: 22
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence } #12
<220> FEATURE:
<223> OTHER INFORMATION: Peptide

<400> SEQUENCE: 16
Ser Arg Glu Trp His Phe Trp Arg Asp Tyr Asn Pro Thr Ser Arg Gly
1 5 10 15
Gly Lys Phe Ile Thr Cys
20

<210> SEQ ID NO: 17
<211> LENGTH: 19
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence } #12
<220> FEATURE:
<223> OTHER INFORMATION: Peptide

<400> SEQUENCE: 17
Asp Pro Asn Thr Trp Gln Leu Arg Trp Pro Met His Gly Gly Lys Phe
1 5 10 15
Ile Thr Cys

VERIFICATION SUMMARY DATE: 06/15/2000
PATENT APPLICATION: US/09/227,687 TIME: 13:46:24

Input Set : A:\cpi98-03p9ma.txt
Output Set: N:\CRF3\06152000\I227687.raw